

REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1-2, 4-13, and 15-22 will be pending. By this amendment claims 3 and 14 have been canceled; and claims 1, 2, 12, and 13 have been amended. No new matter has been added.

§102 Rejection of Claims 1-22

In Section 2 of the Office Action, the Examiner has rejected claims 1-22 under 35 U.S.C. §102(b) as being anticipated by Weiser *et al.* (U.S. Patent No. 5,485,634; hereinafter referred to as “Weiser”). Claims 1 and 12 have been amended to address the rejection.

In the Background section of the Specification, it was disclosed that “[i]n the current state of the art[,] mobile agents are migrating between computing nodes of the internet. Because the communication costs in the internet are very low and the available bandwidth is sufficient, the migration step does not cause any problems and as many migration steps as necessary can be performed without significant limitation. However, the communication costs over wireless communication links are high and the available bandwidth is low. The future communication systems will consist of combinations of wireless telecommunication, mobile computing, and so on, so that the available quality of service will vary on a large scale as users move back and forth between high-speed wireless networks and costly low-speed cellular networks.” *Background of the Specification, page 2, lines 1-9.*

To solve the above-stated shortcomings of the conventional mobile agents, embodiments of the present invention provide a mobile agent system and method that controls “the migration

of mobile agents in an effective and flexible way.” For example, the structure of mobile agent system claim 1, as presented herein, includes:

“at least one mobile agent (3) comprising an allocated agent policy (8), in which migration parameters of the respective mobile agent are defined;
migration control means (16) for controlling the migration behavior of a mobile agent (3) in the communication system on the basis of a current migration policy of the mobile agent (3) and current parameters of the communication system; and
policy control means for *selecting the current migration policy* of the mobile agent on the *basis of the allocated agent policy of the mobile agent and a system policy*, which is a policy selected from a default system policy or an agent type specific policy.” (*emphasis added*)

Therefore, the mobile agent system of claim 1 is configured to select a current migration policy on the basis of the allocated agent policy and a system policy, which is a policy selected from a default system policy or an agent type specific policy. The ability to select a current migration policy provides effectiveness and flexibility desirable for the future communication systems configured as described in the Background.

Although Weiser discusses “room-level policies” and “internal policies”, and these “policies” acting as filters to enforce the rules within the “policies”, Weiser fails to teach or suggest selecting a specific policy (or “policies”) from among several different policies, such as an agent-specific policy and a system policy.

For example, Weiser discloses that “[r]oom agent 48 also has room-level policies 72 that acts as a filter in processing various requests. For example, the room agent may guard against the “greedy user/controller” by enforcing the policy that no single user/controller may have more than a certain number of devices of a certain type (e.g. displays, printers, computational

resources, etc.) allocated to it at a given time. ... Other possible room-level policies may be formulated as priority queues for certain device. For example, the room's primary occupant may desire a higher priority for resources than visitors to the occupant's room." Weiser, column 8, lines 49-62.

Therefore, the "room-level policies" of Weiser provide servicing of various requests according to the provided policies within the "room-level policies". However, Weiser fails to teach or suggest replacing the "room-level policies" with the "internal policies", or any other policies. In the example discussed above, replacement of the "policies" may provide a new policy (or "policies) to allow the visitors to have a higher priority for resources than the primary occupant of the room. Therefore, the limitation included in claim 1 provides more flexibility and effectiveness than Weiser.

Based on the foregoing discussion, it is maintained claim 1 should be allowable over Weiser. Furthermore, since independent claim 12 closely parallels, and includes substantially similar limitations as, independent claim 1, claim 12 should also be allowable over Weiser. Since claims 2 and 4-11 depend from claim 1, and claims 13 and 15-22 depend from claim 12, claims 2, 4-11, 13, and 15-22 should also be allowable over Weiser. Claims 3 and 14 have been canceled.

Accordingly, it is submitted that the Examiner's rejection of claims 1-22 based upon 35 U.S.C. §102(b) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

§102 Rejection of Claims 1 and 12

In Section 3 of the Office Action, the Examiner has rejected claims 1 and 12 under 35 U.S.C. §102(e) as being anticipated by La Porta *et al.* (U.S. Patent No. 6,085,086; hereinafter referred to as “La Porta”). Claims 1 and 12 have been amended to address the rejection.

Claims 1 and 12 have been amended to include some of the limitations from claims 2-3 and 13-14, respectively. Since La Porta fails to teach or suggest the limitations of the claims 2-3 and 13-14, amended claims 1 and 12 should be allowable over La Porta.

Accordingly, it is submitted that the Examiner’s rejection of claims 1 and 12 based upon 35 U.S.C. §102(e) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

Conclusion

In view of the foregoing, entry of this amendment, and the allowance of this application with claims 1-2, 4-13, and 15-22 are respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.

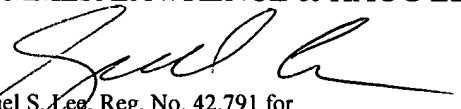
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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